Neo HDL Produced by the Streptococcal Serum Opacity Factor Activity against Human HDL is Hepatically Removed via Dual Mechanisms

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ABSTRACT

Neo HDL Transfers to HDL in Serum independent of CETP

Neo HDL uptake in vitro and in vivo

Figure 1: Kinetics of Neo HDL-[^3H]CE and DMPC Transfer to HDL according to SEC. (A) HDL and neo HDL before mixing. (B-D) Neo HDL incubated with HDL (lighter grey) or HDL + LPDS (darker grey) (E) [3H]DMPC-Labeled Neo HDL. (F) Neo HDL + HDL immediately after mixing at ~0 °C. (G) Neo HDL + HDL after incubation at room temperature for 30 min. (H-J) with whole plasma.

FUTURE DIRECTIONS

To further elucidate the mechanism by which neo HDL is fusing to HDL, we are using human and mouse apo AI^* plasma to determine if this is a requirement for fusion. The receptor by which neo HDL undergoes hepatic uptake remains obscure, to determine if SR-BI is indeed the receptor for neo HDL we will transfected HuH7 cells with SR-BI to over express SR-BI and repeat uptake experiments in comparison to HDL.

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